

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P800029

Luminaire Tested: **LD6C70D010 EU6709030 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C70D010 EU6709030 6LBMDDWWMH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

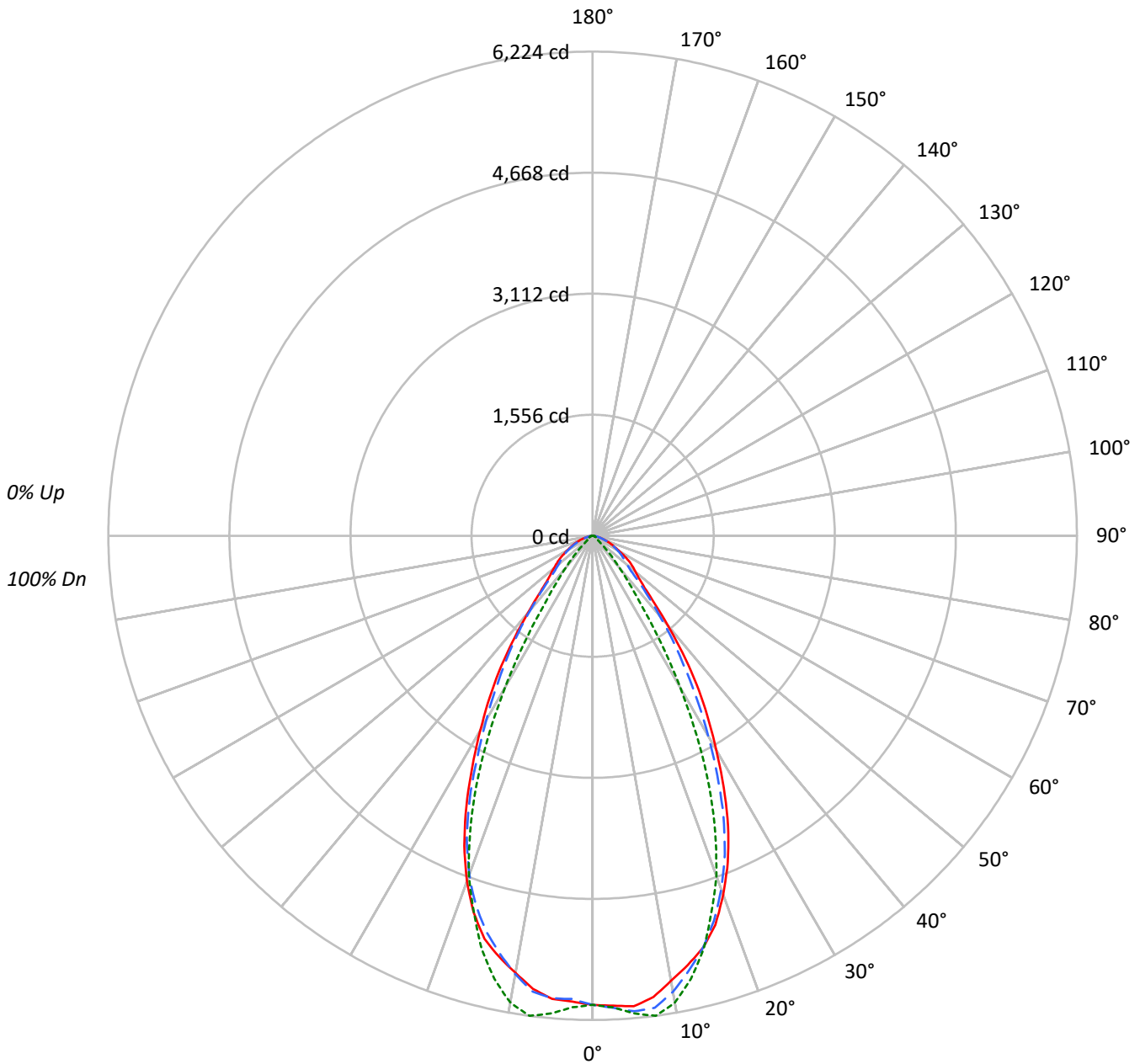
Lumens per Lamp: N/A
Luminaire Lumens: 6140.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	330626	330626	330626
5°	334085	339147	328851
10°	323263	339144	317624
15°	311126	312346	304508
20°	286342	271309	275608
25°	249202	213950	232132
30°	200987	142148	182345
35°	155824	73294	136938
40°	106915	37978	92201
45°	73256	19025	64689
50°	60962	8111	55469
55°	54832	7034	49547
60°	43385	6732	41367
65°	35814	5967	35412
70°	29011	5402	29011
75°	21435	5846	22748
80°	12596	4830	13543
85°	9624	5787	9624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.1	9.4
10°-20°	1506.8	24.5
20°-30°	1720.0	28.0
30°-40°	1140.6	18.6
40°-50°	550.1	9.0
50°-60°	338.4	5.5
60°-70°	204.8	3.3
70°-80°	86.2	1.4
80°-90°	19.0	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3800.9	61.9
0°-40°	4941.5	80.5
0°-60°	5830.1	95.0
0°-90°	6140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6140.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6031	6031	6031	6031	6031	
5°	6071	6135	6163	5967	5976	570
15°	5482	5482	5504	5270	5365	1528
25°	4120	3982	3537	3743	3838	1868
35°	2328	2052	1095	1914	2046	1440
45°	945	828	245	773	834	771
55°	574	466	74	466	518	504
65°	276	264	46	248	273	277
75°	101	101	28	95	107	108
85°	15	22	9	15	15	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1	6031.1
2.5°	6046.4	6055.6	6074.0	6077.1	6067.9	6009.6	5960.5	5978.9	5994.3
5°	6071.0	6089.4	6135.4	6178.4	6163.0	6064.8	5966.7	5963.6	5975.9
7.5°	5982.0	6025.0	6120.1	6227.4	6224.4	6055.6	5911.5	5874.6	5874.6
10°	5807.2	5847.0	5951.3	6095.5	6092.5	5880.8	5721.3	5702.9	5705.9
12.5°	5650.7	5669.1	5721.3	5834.8	5834.8	5626.2	5503.5	5521.9	5546.4
15°	5482.0	5494.3	5482.0	5518.8	5503.5	5331.7	5270.3	5328.6	5365.4
17.5°	5242.7	5248.8	5184.4	5135.3	5077.0	4969.7	4985.0	5070.9	5080.1
20°	4908.3	4948.2	4831.6	4705.9	4650.6	4549.4	4635.3	4730.4	4724.3
22.5°	4540.2	4586.2	4435.9	4227.3	4113.8	4073.9	4227.3	4313.2	4310.1
25°	4119.9	4153.7	3981.9	3690.4	3537.1	3530.9	3742.6	3831.6	3837.7
27.5°	3647.5	3659.8	3466.5	3086.1	2895.9	2941.9	3208.8	3331.5	3346.9
30°	3175.1	3168.9	2969.5	2497.1	2245.6	2371.3	2730.3	2865.2	2880.6
32.5°	2742.5	2724.1	2497.1	1932.7	1632.0	1819.1	2291.6	2432.7	2457.2
35°	2328.4	2297.7	2052.3	1429.5	1095.2	1374.3	1914.2	2037.0	2046.2
37.5°	1895.8	1880.5	1687.2	1070.6	763.9	1043.0	1561.5	1650.4	1641.2
40°	1494.0	1494.0	1334.5	794.5	530.7	776.1	1236.3	1316.0	1288.4
42.5°	1171.9	1187.2	1052.2	585.9	377.3	576.7	978.6	1052.2	1021.5
45°	944.9	944.9	828.3	435.6	245.4	429.5	773.1	840.6	834.4
47.5°	800.7	788.4	671.8	319.0	135.0	322.1	650.4	733.2	730.1
50°	714.8	696.4	576.7	251.6	95.1	266.9	570.6	647.3	650.4
52.5°	647.3	619.7	518.4	223.9	82.8	233.1	518.4	579.8	579.8
55°	573.7	558.3	466.3	199.4	73.6	208.6	466.3	521.5	518.4
57.5°	484.7	481.6	417.2	181.0	67.5	184.1	417.2	451.0	438.7
60°	395.7	408.0	362.0	162.6	61.4	165.7	355.9	383.5	377.3
62.5°	331.3	346.7	316.0	144.2	52.2	147.2	300.6	328.2	322.1
65°	276.1	288.4	263.8	122.7	46.0	122.7	248.5	273.0	273.0
67.5°	227.0	236.2	217.8	101.2	39.9	101.2	202.5	223.9	227.0
70°	181.0	187.1	171.8	79.8	33.7	82.8	159.5	181.0	181.0
72.5°	141.1	144.2	135.0	64.4	30.7	64.4	122.7	141.1	141.1
75°	101.2	107.4	101.2	49.1	27.6	49.1	95.1	104.3	107.4
77.5°	58.3	73.6	73.6	39.9	21.5	36.8	67.5	70.6	70.6
80°	39.9	46.0	52.2	27.6	15.3	27.6	42.9	46.0	42.9
82.5°	27.6	30.7	30.7	18.4	12.3	18.4	27.6	30.7	27.6
85°	15.3	21.5	21.5	15.3	9.2	12.3	15.3	18.4	15.3
87.5°	9.2	12.3	15.3	12.3	9.2	9.2	9.2	9.2	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)